

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020620\
 Data File : VX014853.D
 Acq On : 06 Feb 2020 17:20
 Operator : JC/SP
 Sample : L1432-06
 Misc : 1.00/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 07 00:50:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	457582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	698365	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	628715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	314291	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	254498	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
35) Dibromofluoromethane	5.50	113	200132	45.42	ug/l	0.00
Spiked Amount			Recovery	=	90.84%	
50) Toluene-d8	8.71	98	814276	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
62) 4-Bromofluorobenzene	11.14	95	292731	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	

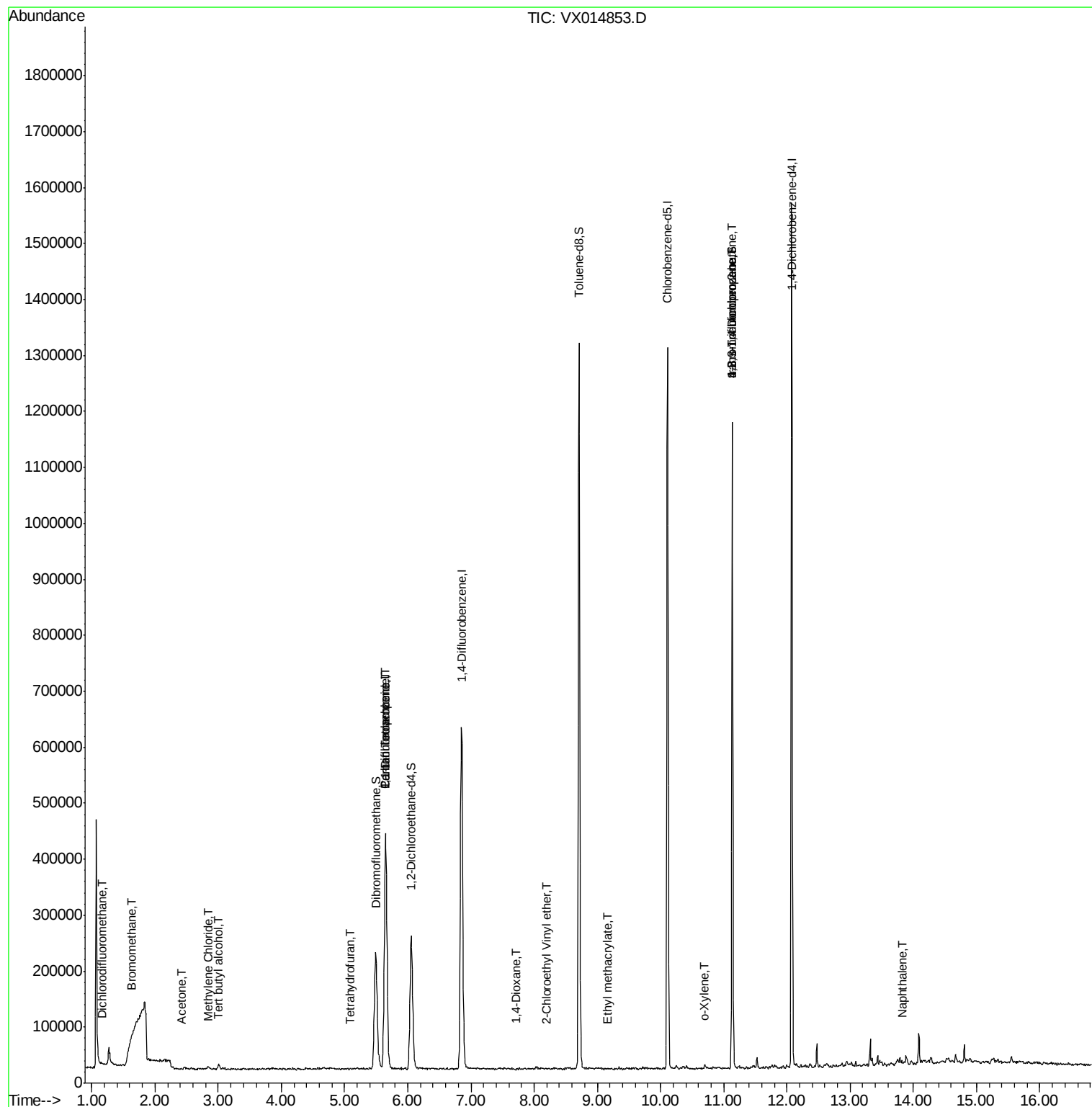
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.17	85	102	0.548	ug/l #	1
5) Bromomethane	1.63	94	1251	0.275	ug/l #	70
6) Chloroethane	1.71	64	1120	Below Cal		90
11) Tert butyl alcohol	3.01	59	6161	5.136	ug/l #	72
16) Acetone	2.42	43	908	0.460	ug/l #	83
20) Methylene Chloride	2.84	84	3438	0.634	ug/l #	88
29) Tetrahydrofuran	5.08	42	723	0.290	ug/l	94
36) 1,1-Dichloropropene	5.65	75	31616	4.872	ug/l #	52
38) Carbon Tetrachloride	5.65	117	39646	6.397	ug/l #	14
41) Methacrylonitrile	5.03	41	158	Below Cal	#	1
49) 1,4-Dioxane	7.72	88	569	4.616	ug/l #	66
56) Ethyl methacrylate	9.17	69	528	1.844	ug/l #	80
58) 2-Chloroethyl Vinyl ether	8.19	63	556	0.219	ug/l	91
69) o-Xylene	10.70	106	2336	0.278	ug/l	57
76) 1,2,3-Trichloropropane	11.14	75	144072	19.703	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	144072	56.071	ug/l #	10
95) Naphthalene	13.83	128	1310	0.990	ug/l #	72

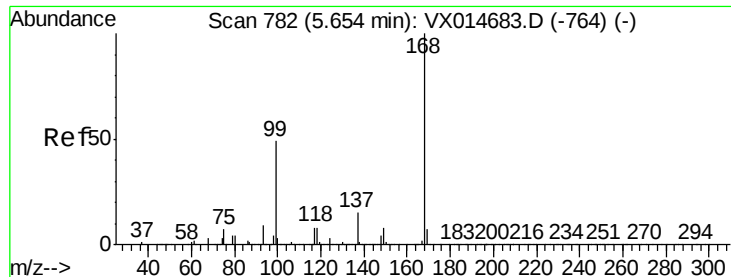
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Feb 07 00:50:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014853.D

Acq: 06 Feb 2020 17:20

Instrument :

MSVOA_X

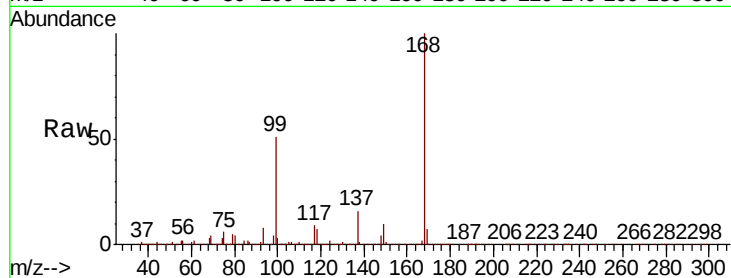
ClientSampleId :

Tot Ion:168 Resp: 457582

Ion Ratio Lower Upper

168 100

99 50.5 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

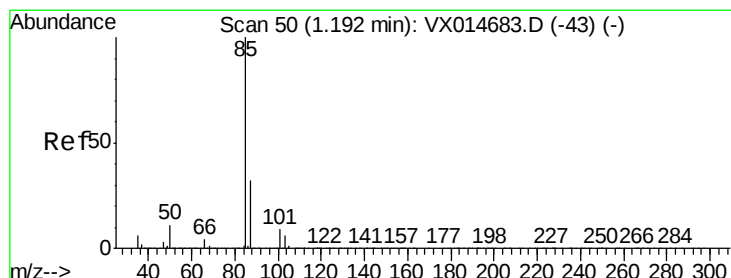
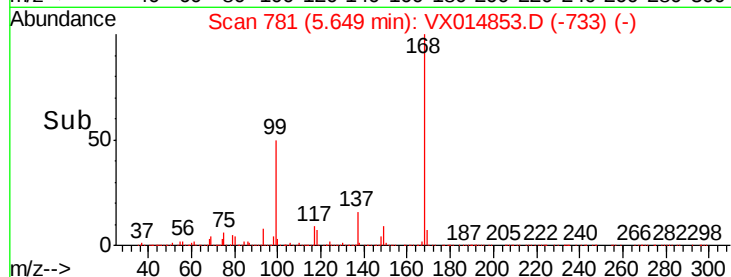
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.548 ug/l

RT: 1.17 min Scan# 46

Delta R.T. -0.02 min

Lab File: VX014853.D

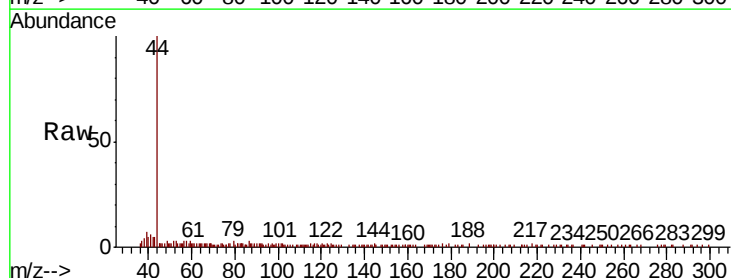
Acq: 06 Feb 2020 17:20

Tgt Ion: 85 Resp: 102

Ion Ratio Lower Upper

85 100

87 166.1 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

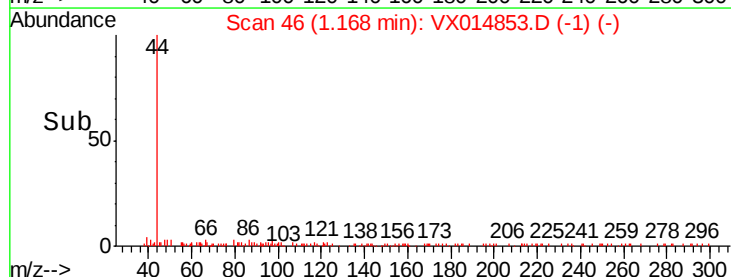
300

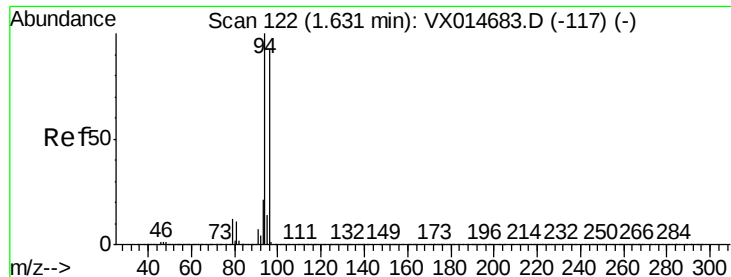
200

100

0

Time-->





#5

Bromomethane

Concen: 0.275 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014853.D

Acq: 06 Feb 2020 17:20

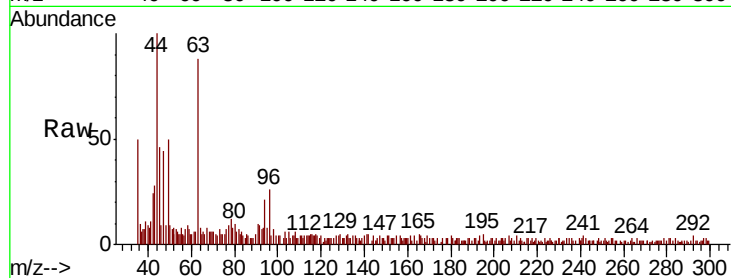
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 1251

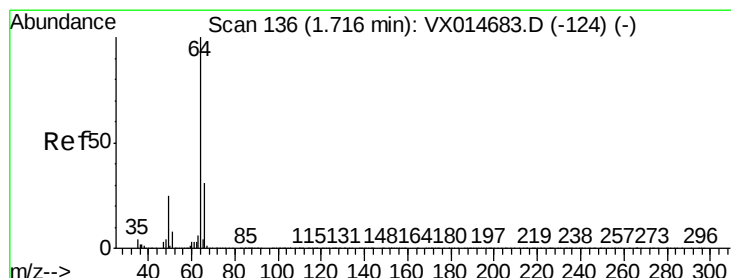
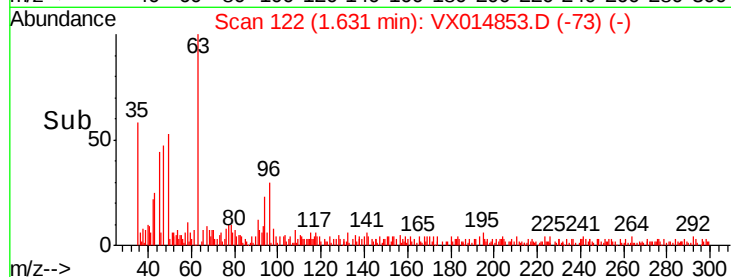
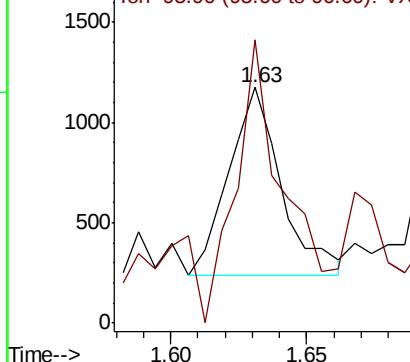
Ion Ratio Lower Upper

94 100

96 122.0 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 135

Delta R.T. -0.01 min

Lab File: VX014853.D

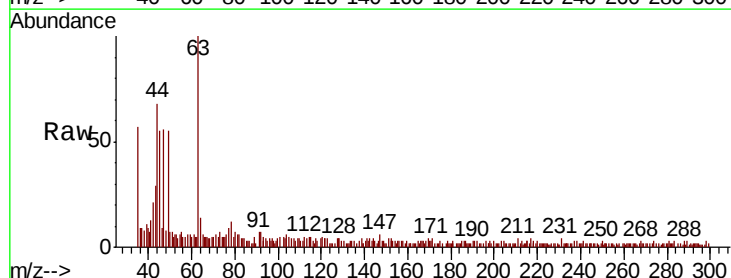
Acq: 06 Feb 2020 17:20

Tgt Ion: 64 Resp: 1120

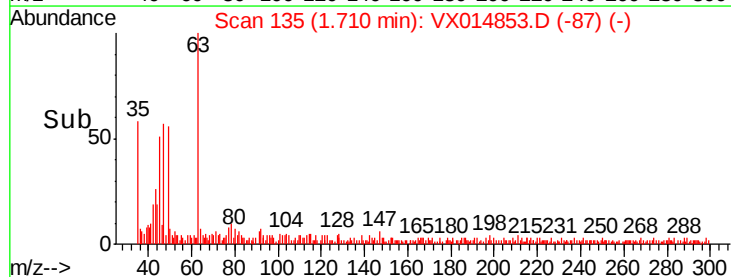
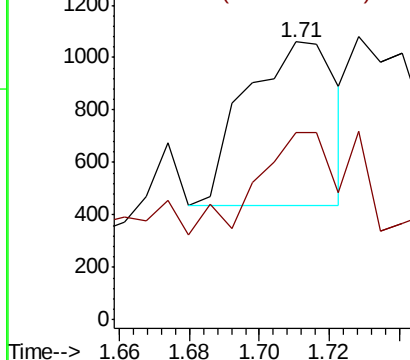
Ion Ratio Lower Upper

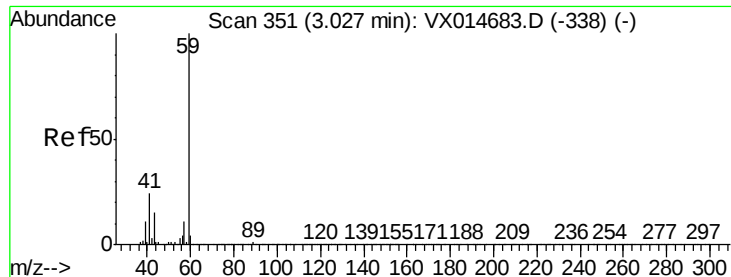
64 100

66 37.2 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



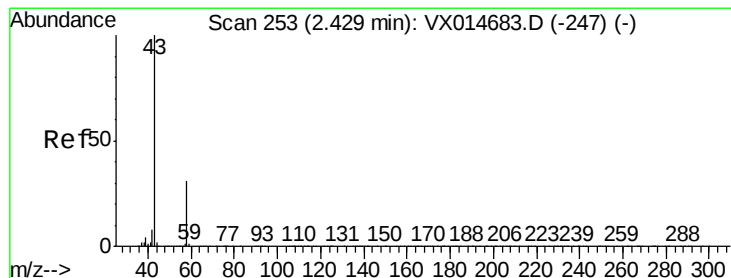
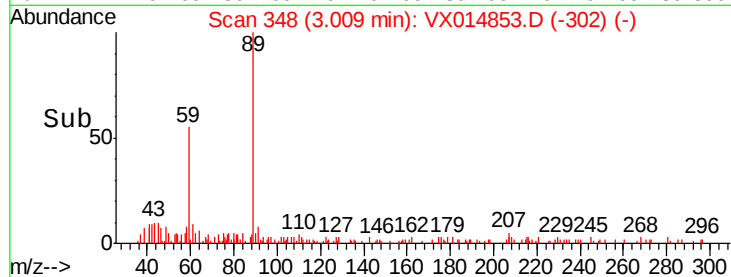
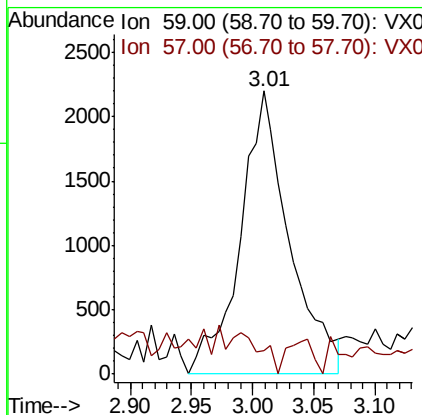
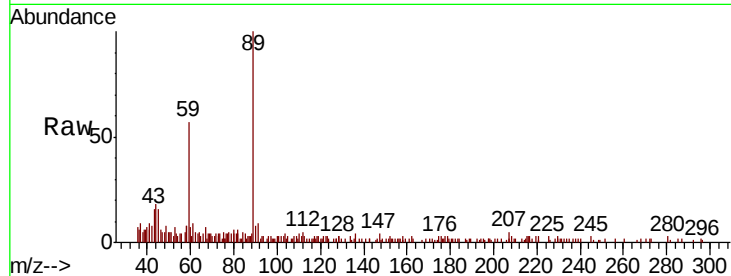


#11

Tert butyl alcohol
Concen: 5.136 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014853.D
Acq: 06 Feb 2020 17:20

Instrument :
MSVOA_X
ClientSampleId :

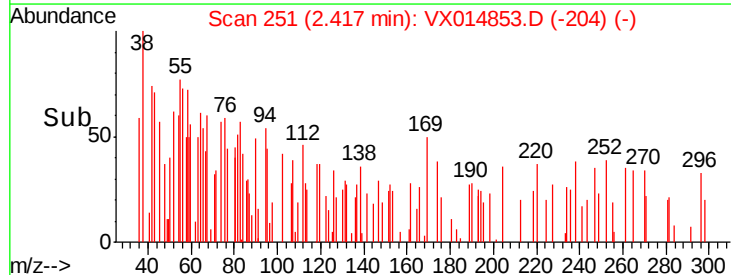
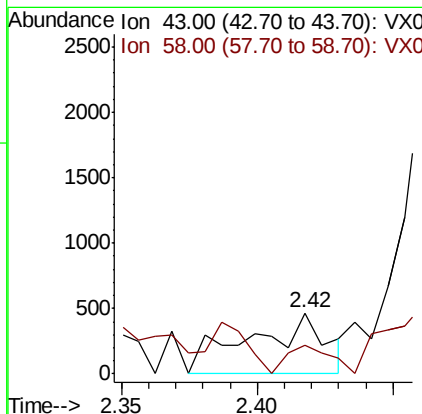
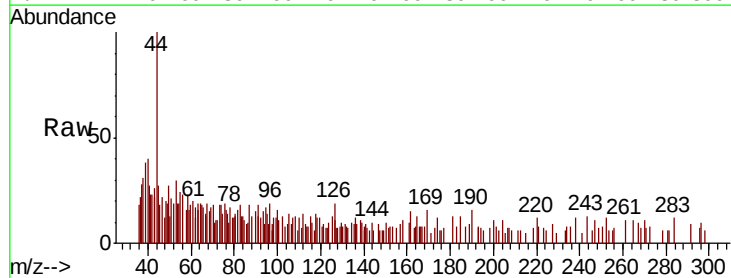
Tot Ion: 59 Resp: 6161
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

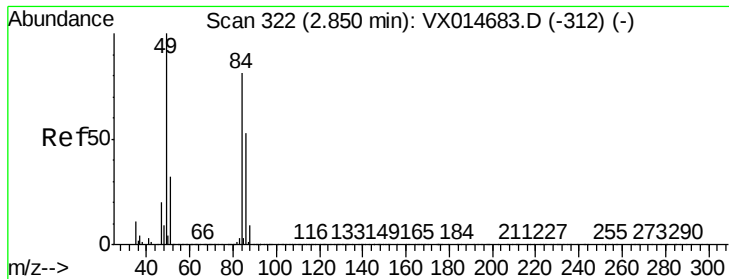


#16

Acetone
Concen: 0.460 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.01 min
Lab File: VX014853.D
Acq: 06 Feb 2020 17:20

Tgt Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
58 21.6 24.5 36.7#

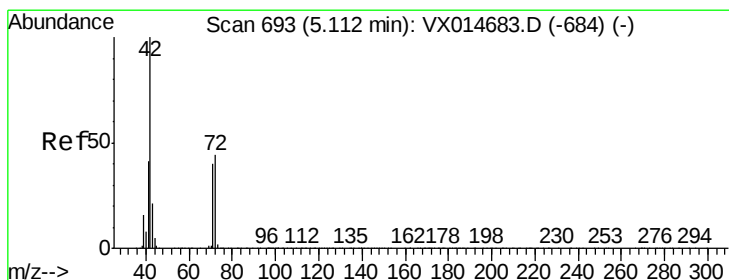
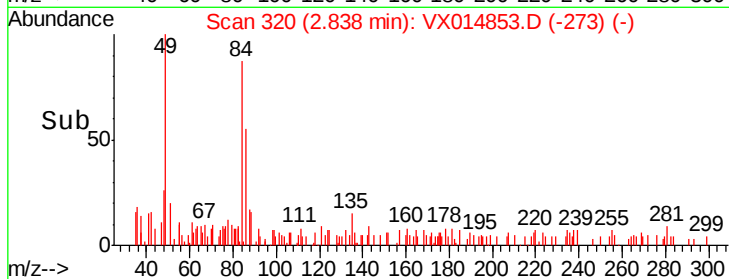
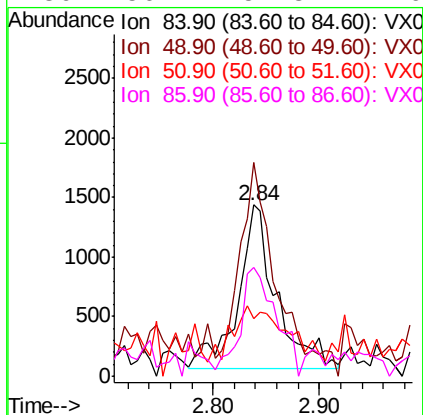
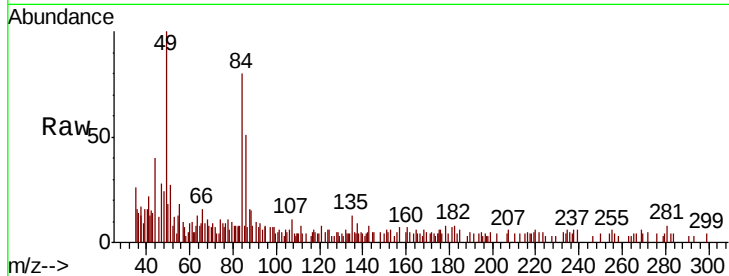




#20
Methvlene Chloride
Concen: 0.634 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX014853.D
Acq: 06 Feb 2020 17:20

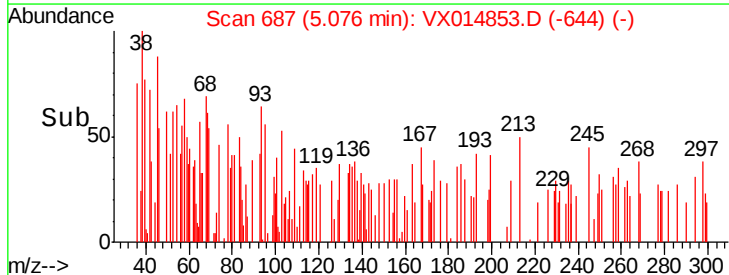
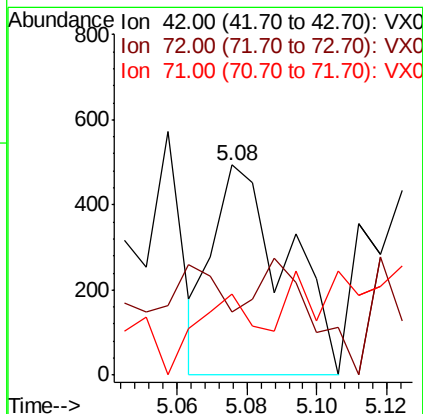
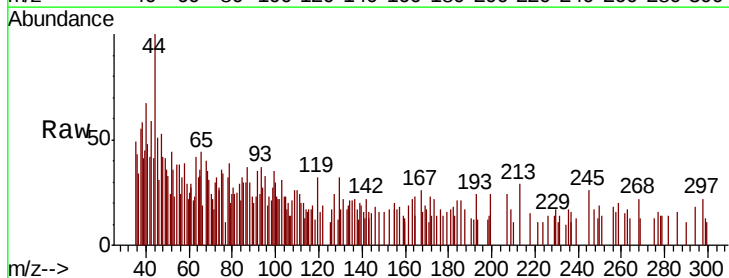
Instrument :
MSVOA_X
ClientSampleId :

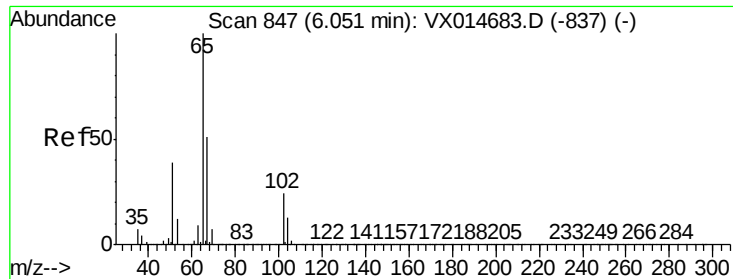
Tot Ion: 84 Resp: 3438
Ion Ratio Lower Upper
84 100
49 115.0 98.2 147.4
51 20.4 31.3 46.9#
86 56.7 51.8 77.6



#29
Tetrahydrofuran
Concen: 0.290 ug/l
RT: 5.08 min Scan# 687
Delta R.T. -0.04 min
Lab File: VX014853.D
Acq: 06 Feb 2020 17:20

Tgt Ion: 42 Resp: 723
Ion Ratio Lower Upper
42 100
72 44.8 35.3 52.9
71 33.7 33.1 49.7





#33

1,2-Dichloroethane-d4

Concen: 47.628 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014853.D

Acq: 06 Feb 2020 17:20

Instrument :

MSVOA_X

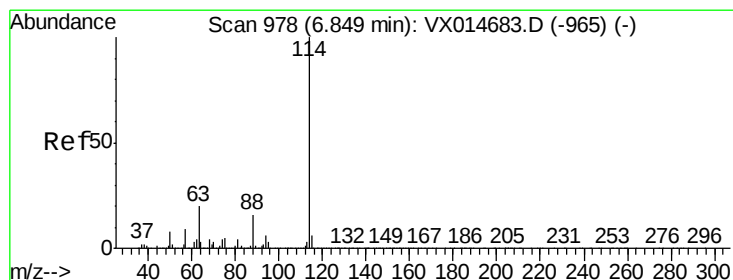
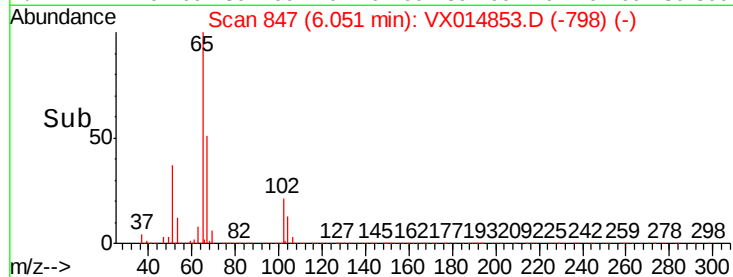
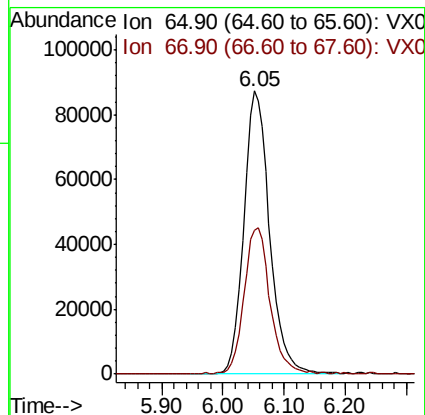
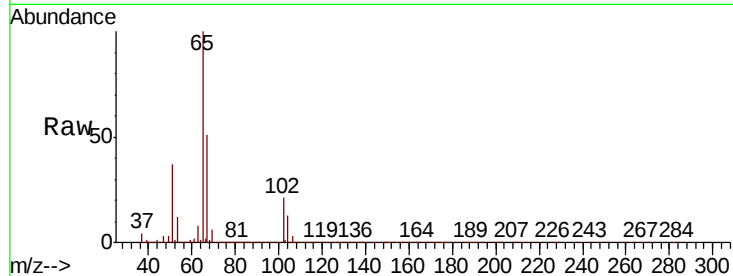
ClientSampleId :

Tot Ion: 65 Resp: 254498

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014853.D

Acq: 06 Feb 2020 17:20

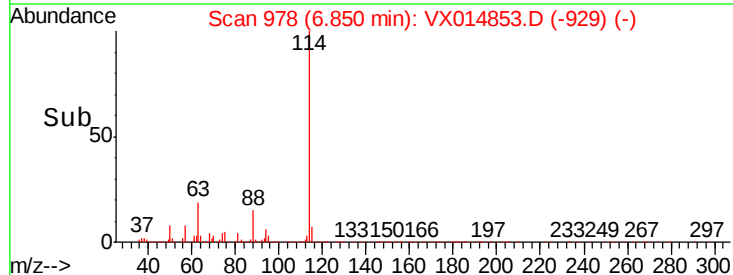
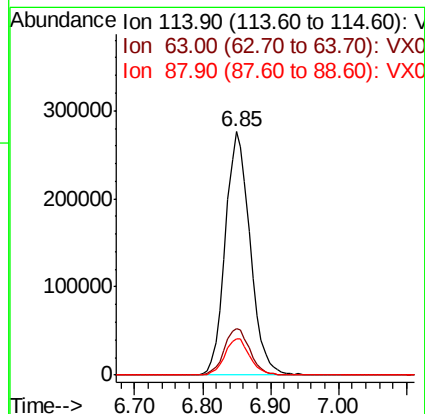
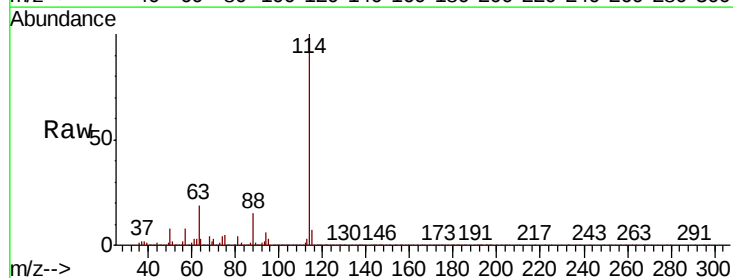
Tgt Ion: 114 Resp: 698365

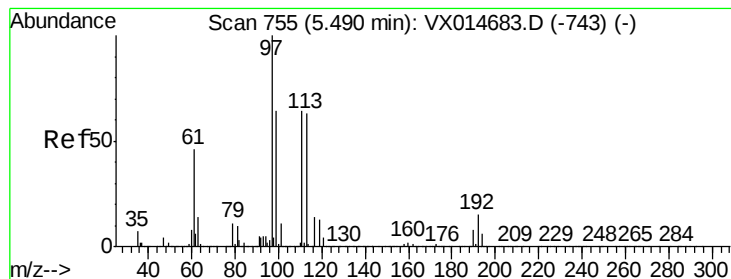
Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.6

88 14.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 45.416 ug/l

RT: 5.50 min Scan# 756

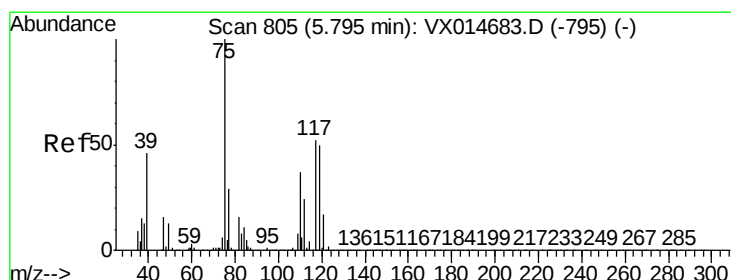
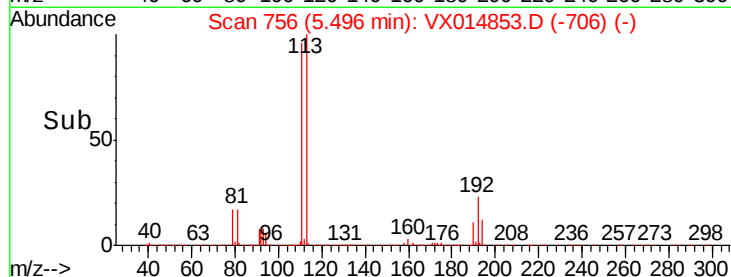
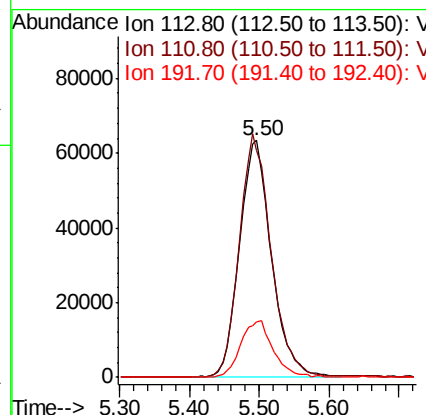
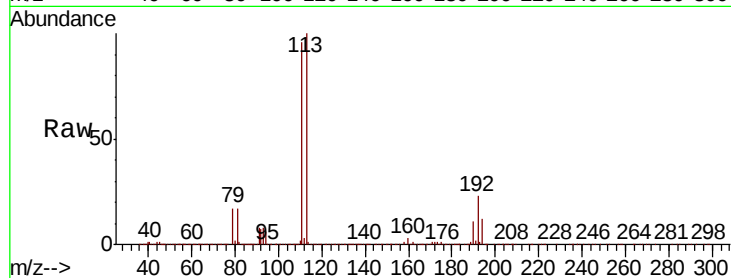
Delta R.T. 0.01 min

Lab File: VX014853.D

Acq: 06 Feb 2020 17:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.7	121.1
192	24.6	18.5	27.7



#36

1,1-Dichloropropene

Concen: 4.872 ug/l

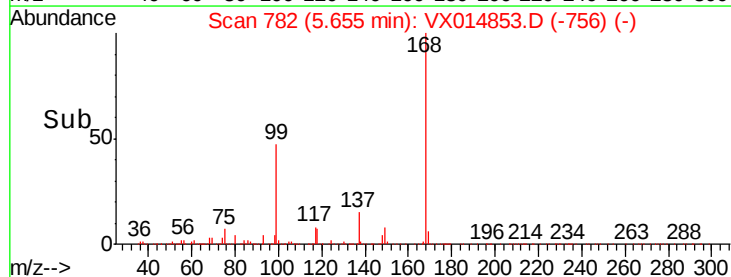
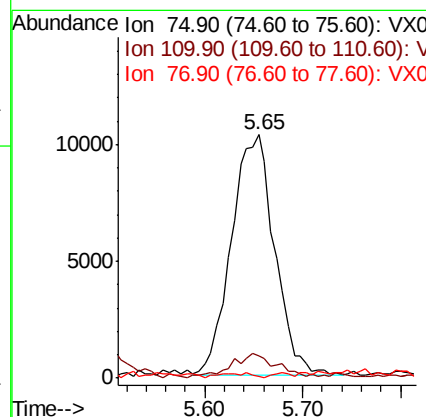
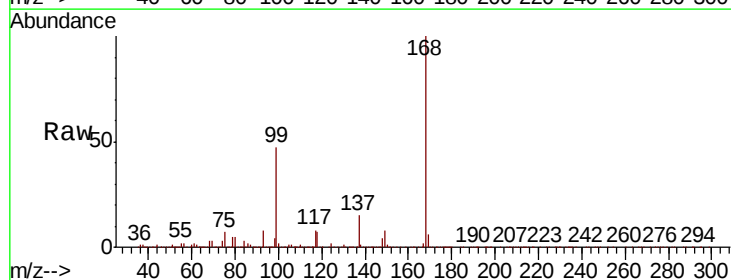
RT: 5.65 min Scan# 782

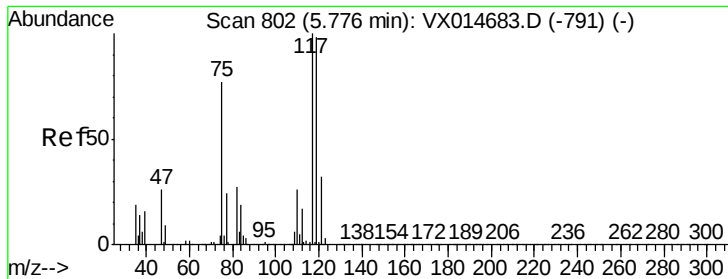
Delta R.T. -0.14 min

Lab File: VX014853.D

Acq: 06 Feb 2020 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.0	17.9	53.7#
77	0.0	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 6.397 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014853.D

Acq: 06 Feb 2020 17:20

Instrument :
MSVOA_X
ClientSampleId :

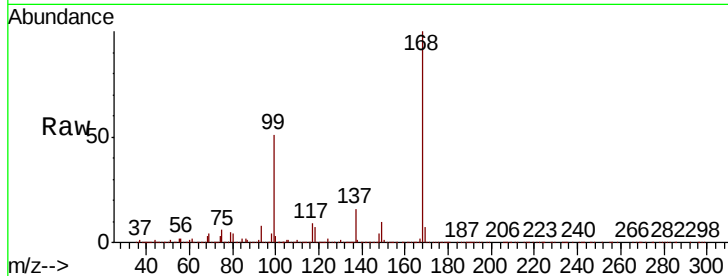
Tot Ion:117 Resp: 39646

Ion Ratio Lower Upper

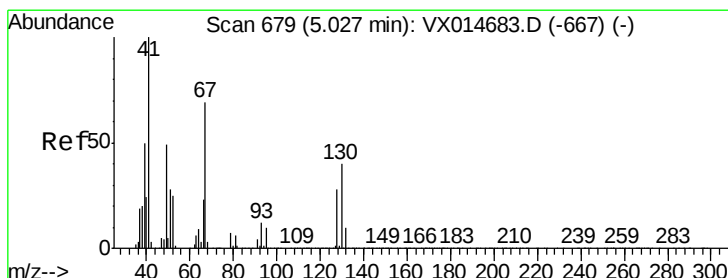
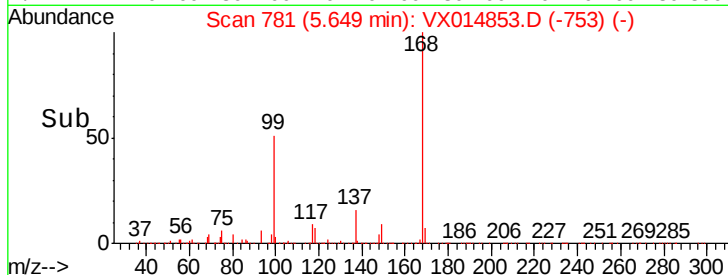
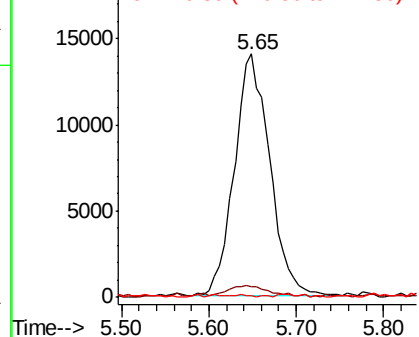
117 100

119 3.6 77.9 116.9#

121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX014853.D

Acq: 06 Feb 2020 17:20

Tgt Ion: 41 Resp: 158

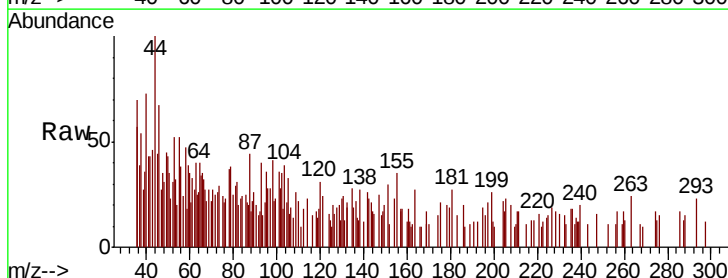
Ion Ratio Lower Upper

41 100

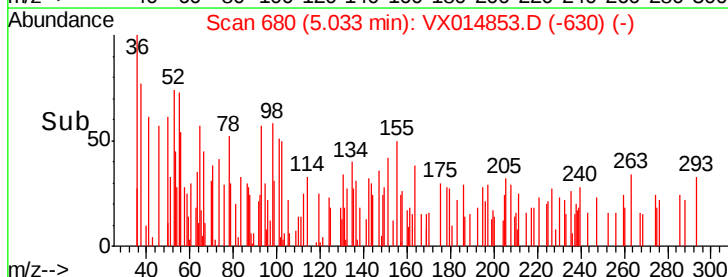
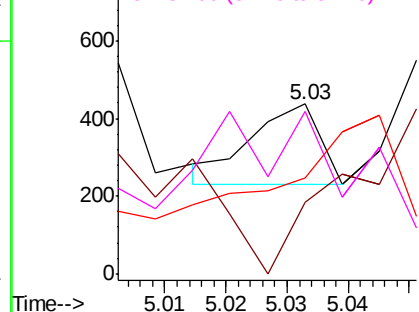
39 0.0 42.2 63.2#

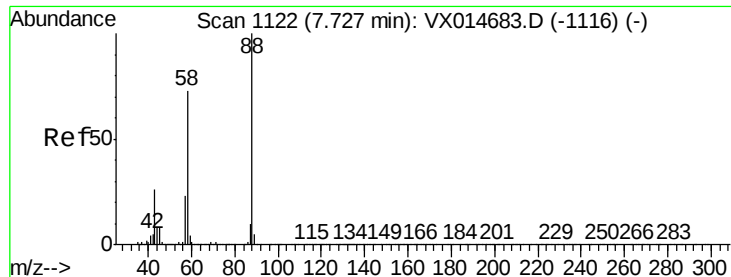
67 0.0 55.4 83.0#

52 290.5 22.1 33.1#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0





#49

1,4-Dioxane

Concen: 4.616 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VX014853.D

Acq: 06 Feb 2020 17:20

Instrument :

MSVOA_X

ClientSampleId :

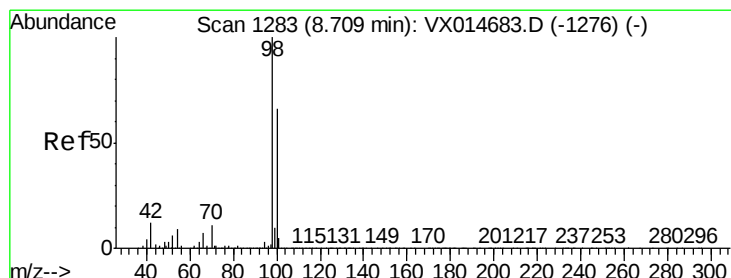
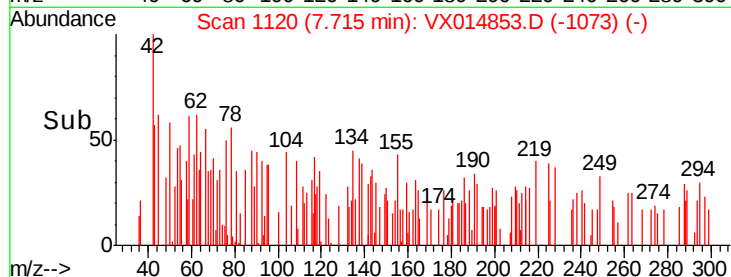
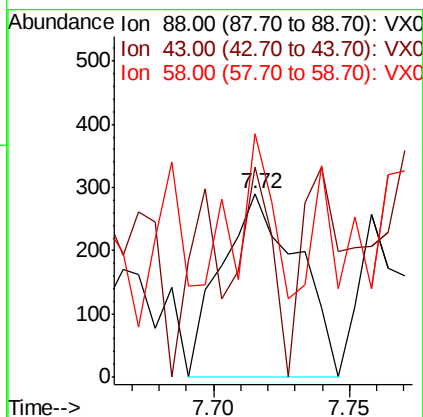
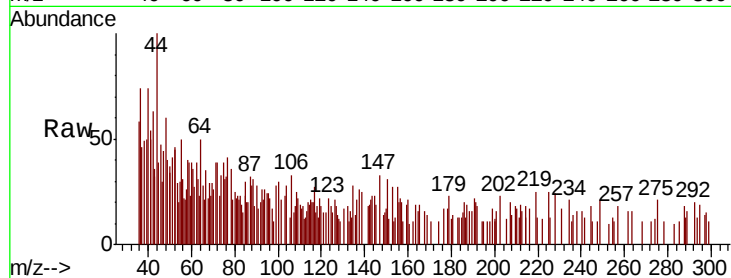
Tot Ion: 88 Resp: 569

Ion Ratio Lower Upper

88 100

43 46.7 26.2 39.2#

58 38.8 56.6 85.0#



#50

Toluene-d8

Concen: 48.066 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014853.D

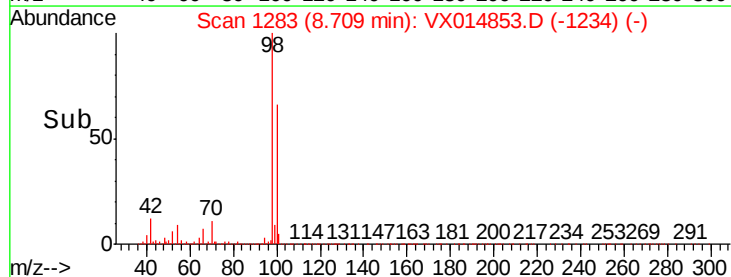
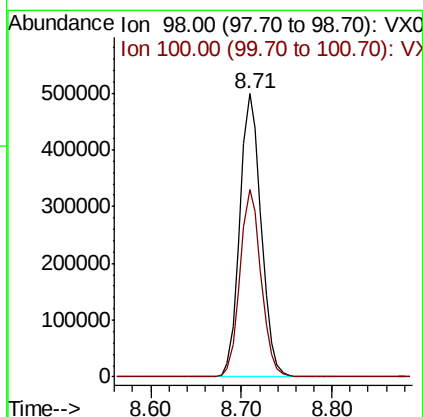
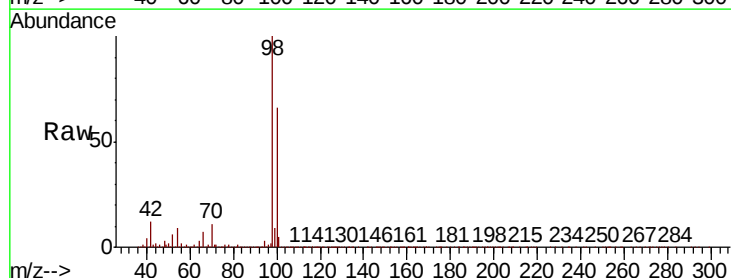
Acq: 06 Feb 2020 17:20

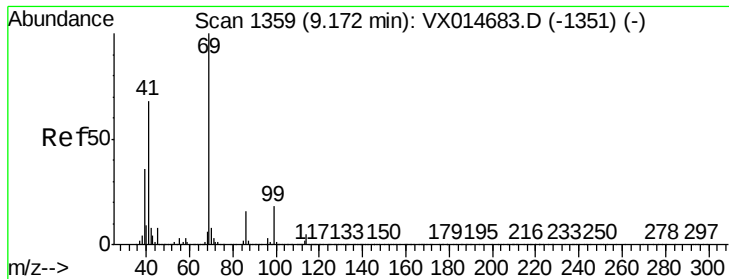
Tgt Ion: 98 Resp: 814276

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.6

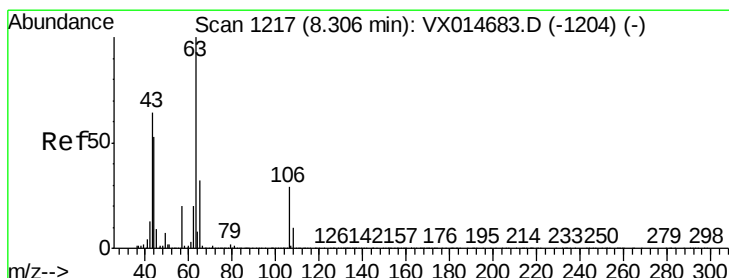
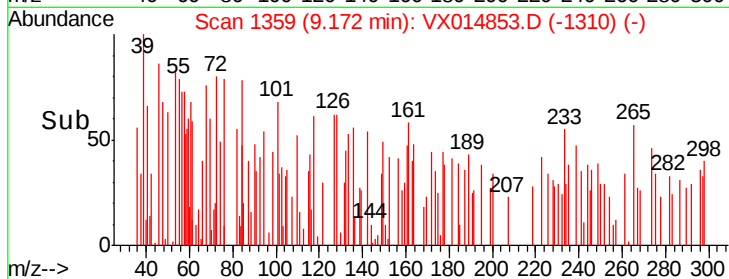
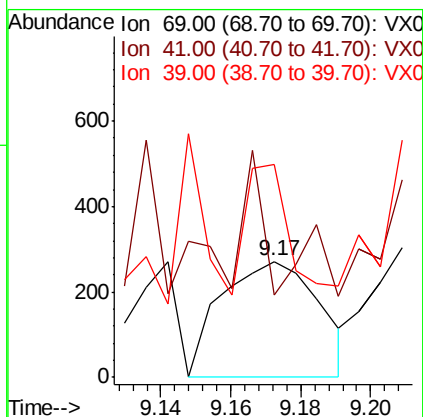
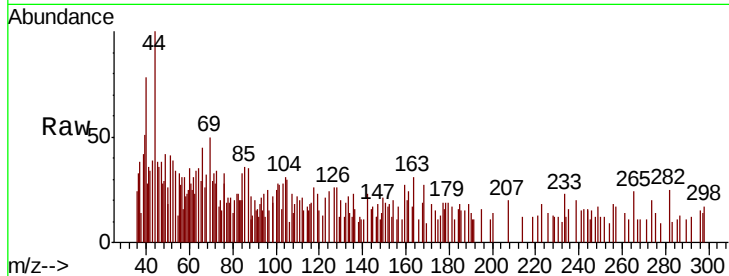




#56
 Ethyl methacrylate
 Concen: 1.844 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014853.D
 Acq: 06 Feb 2020 17:20

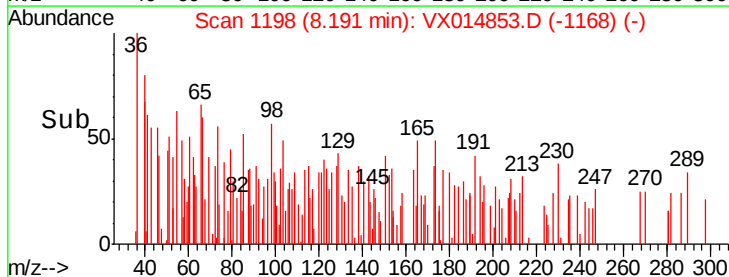
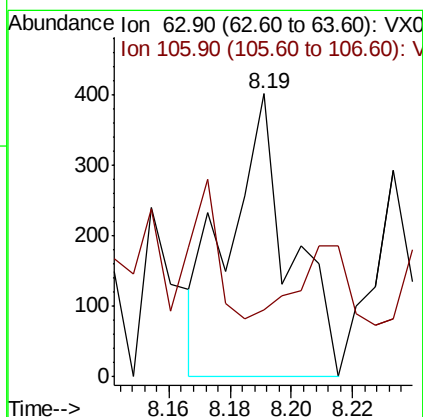
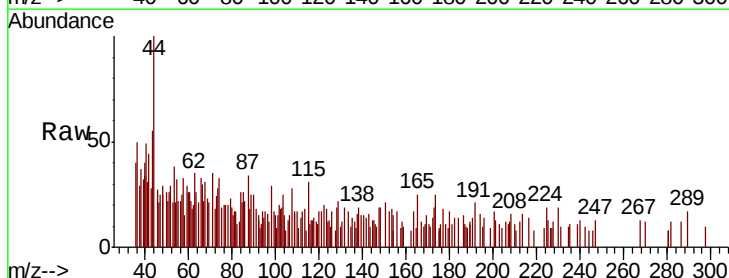
Instrument :
 MSVOA_X
 ClientSampleID :

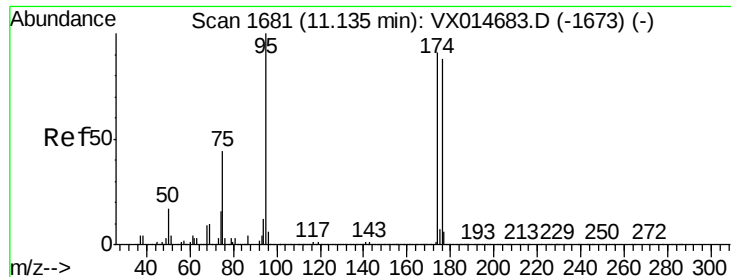
Tot Ion: 69 Resp: 528
 Ion Ratio Lower Upper
 69 100
 41 54.2 54.9 82.3#
 39 51.7 29.3 43.9#



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.219 ug/l
 RT: 8.19 min Scan# 1198
 Delta R.T. -0.12 min
 Lab File: VX014853.D
 Acq: 06 Feb 2020 17:20

Tgt Ion: 63 Resp: 556
 Ion Ratio Lower Upper
 63 100
 106 23.7 22.7 34.1

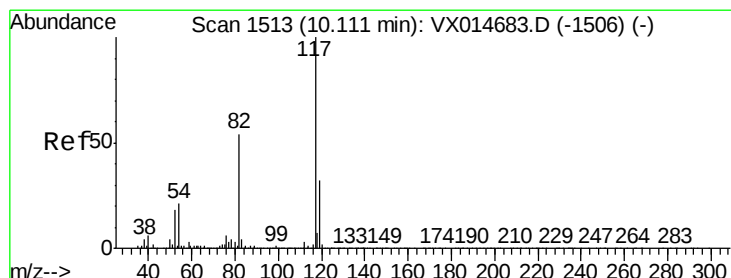
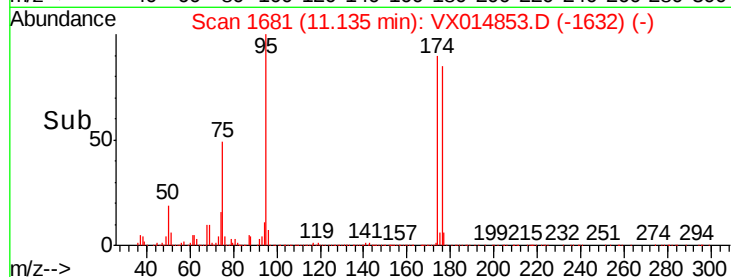
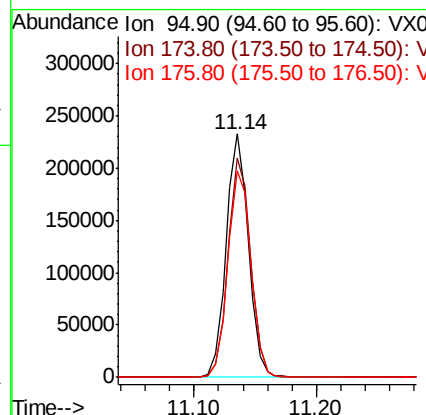
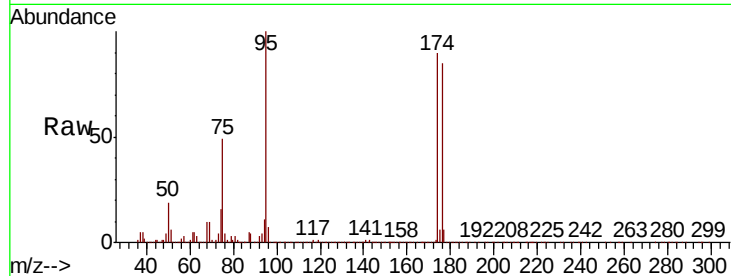




#62
4-Bromofluorobenzene
Concen: 48.508 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX014853.D
Acq: 06 Feb 2020 17:20

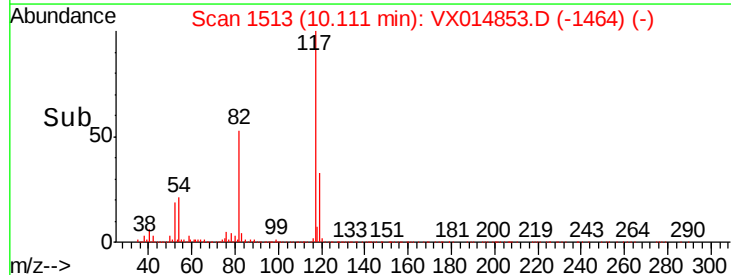
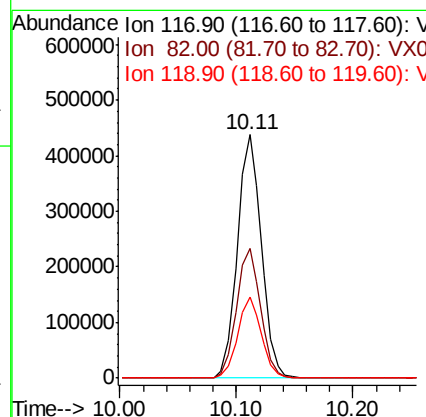
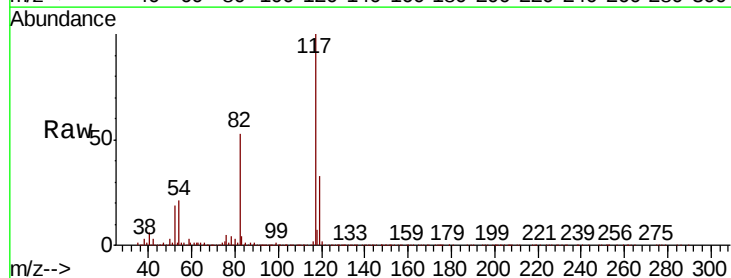
Instrument :
MSVOA_X
ClientSampleId :

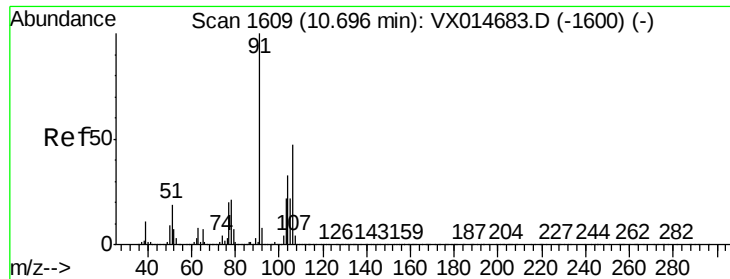
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.8	0.0	176.0
176	88.3	0.0	172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014853.D
Acq: 06 Feb 2020 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.2	64.8
119	33.3	25.8	38.6

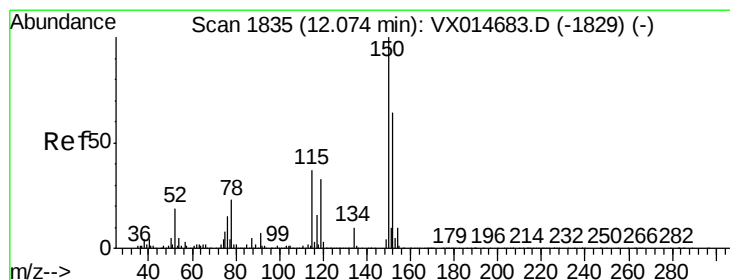
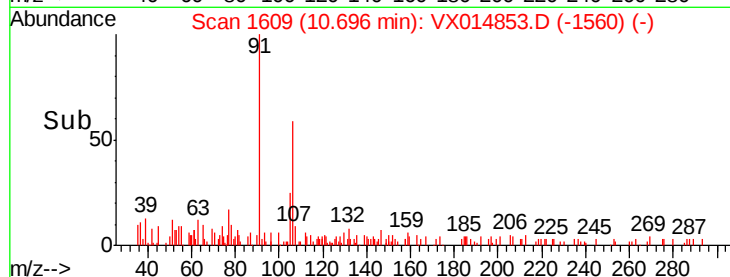
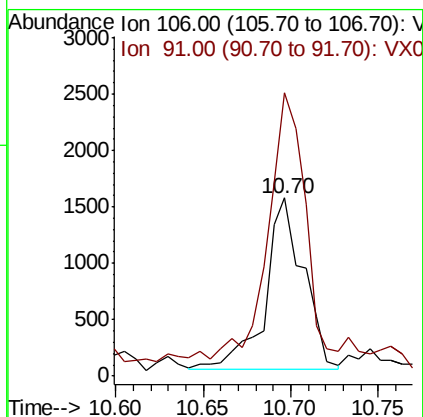
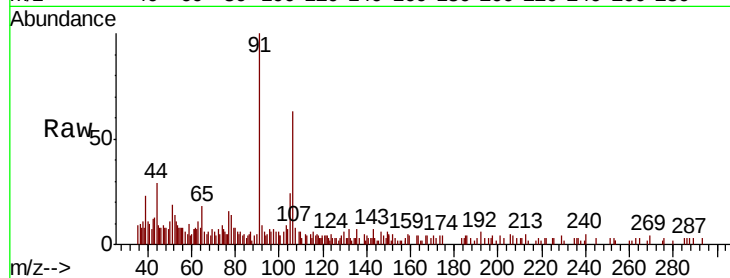




#69
o-Xylene
Concen: 0.278 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014853.D
Acq: 06 Feb 2020 17:20

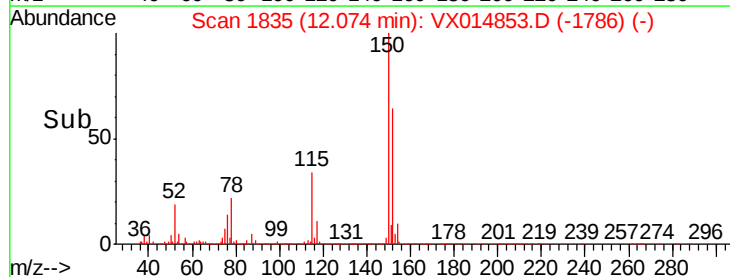
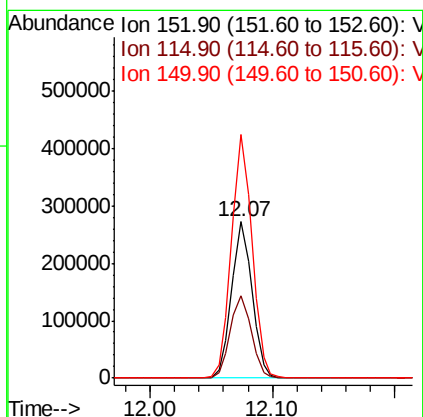
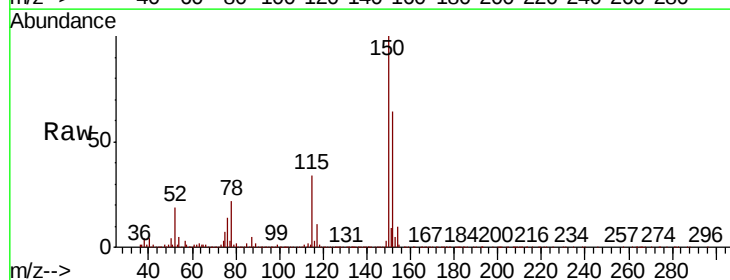
Instrument :
MSVOA_X
ClientSampleId :

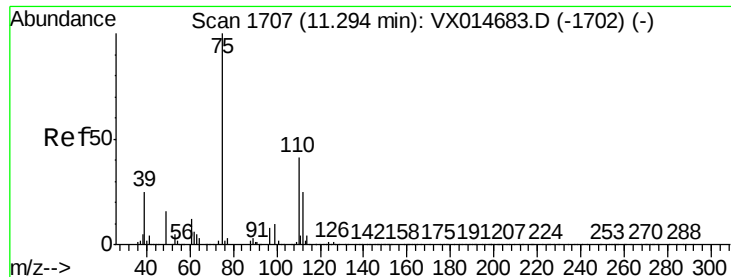
Tot Ion:106 Resp: 2336
Ion Ratio Lower Upper
106 100
91 144.7 106.2 318.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014853.D
Acq: 06 Feb 2020 17:20

Tgt Ion:152 Resp: 314291
Ion Ratio Lower Upper
152 100
115 54.3 39.4 118.1
150 156.6 0.0 351.2

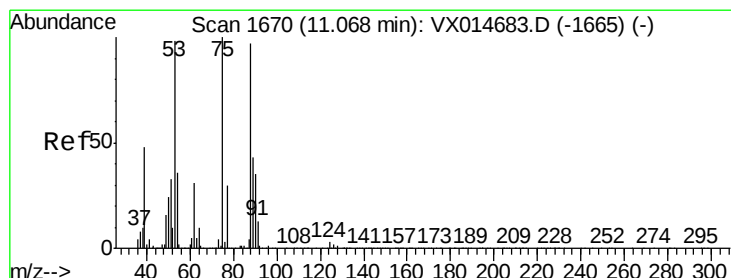
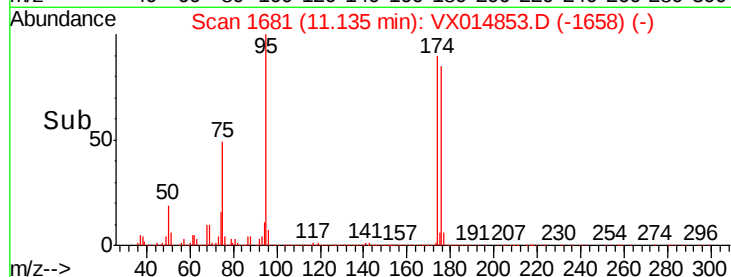
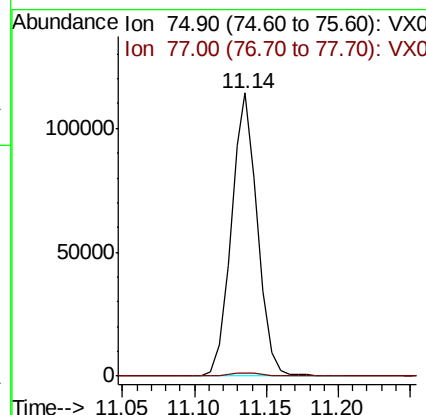
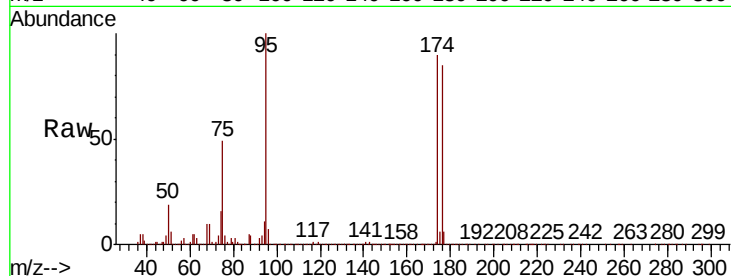




#76
 1,2,3-Trichloropropane
 Concen: 19.703 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX014853.D
 Acq: 06 Feb 2020 17:20

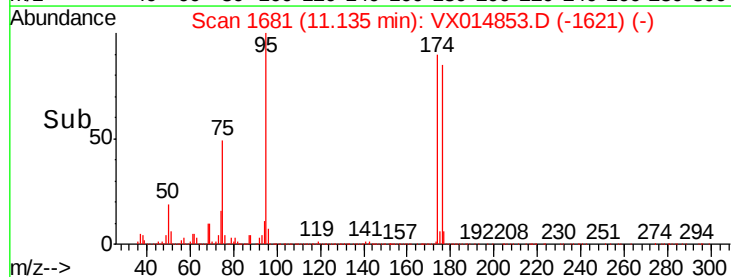
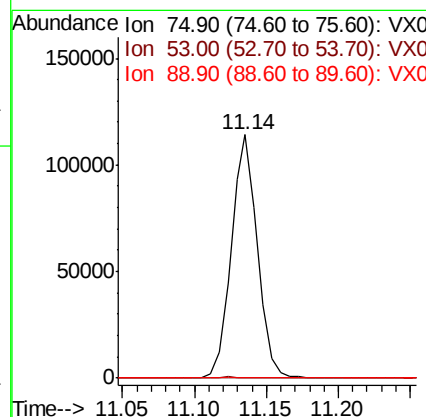
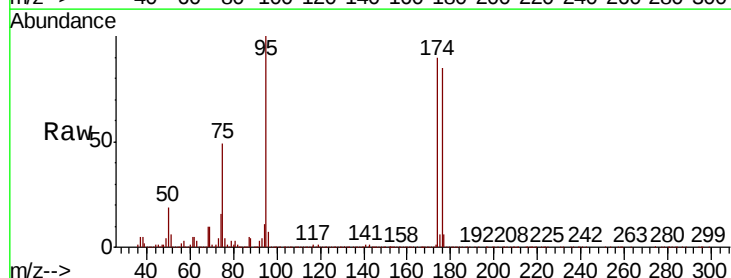
Instrument :
 MSVOA_X
 ClientSampled :

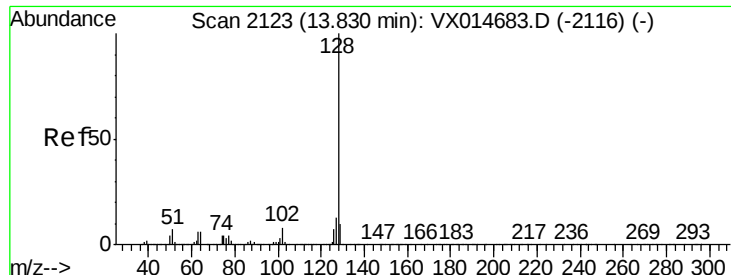
Tot Ion: 75 Resp: 144072
 Ion Ratio Lower Upper
 75 100
 77 1.7 18.7 56.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.071 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX014853.D
 Acq: 06 Feb 2020 17:20

Tgt Ion: 75 Resp: 144072
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.8 118.2#
 89 0.1 35.4 53.0#

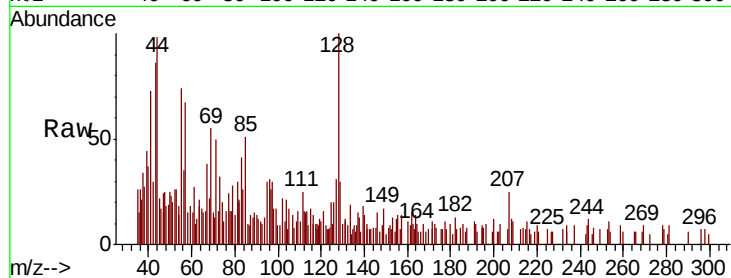




#95
Naphthalene
Concen: 0.990 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014853.D
Acq: 06 Feb 2020 17:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	25.0	10.3	15.5#
129	20.2	8.6	12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

